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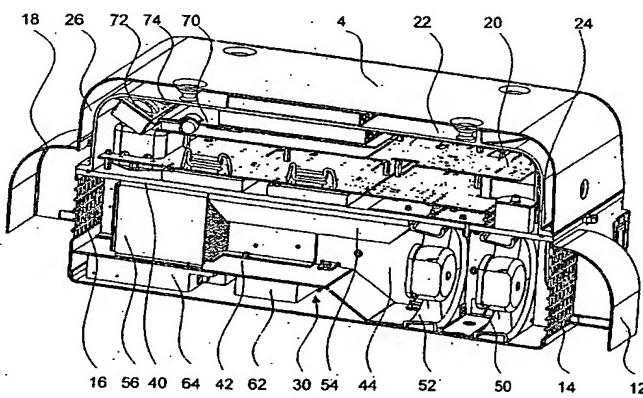
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(54) Title: ELECTRICAL APPARATUS AND COOLING SYSTEM



(57) Abstract: An electrical apparatus and cooling system is described, having an arrangement particularly suited to electrical apparatus incorporating devices which produce a significant amount of heat, such as vacuum tube devices. The electrical apparatus has an enclosure cover (22) and a base plate (6) defining an enclosure (20) containing the part of the electrical apparatus to be cooled, and an outer cover (4) enclosing the first to create a surrounding space (26) therebetween. Means (22, 76 and 78) are provided to transfer heat from the enclosure to the surrounding space. Cooling fans (50) and (52) located outside of the surrounding space create a flow of air which passes through a heat exchange structure mounted (54) adjacent the enclosure to provide a cooling effect. Some of the air flow is also ducted through the surrounding space, to cool the enclosure cover (22). Additionally, a circulating flow of air is established in the enclosure, thereby enhancing the transfer of heat from the enclosure to the surrounding space.

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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*
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